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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/712,626	11/14/2000	Soon-Jai Khang	UOC-128D	3705
26875 75	90 02/15/2005		EXAMINER	
WOOD, HERRON & EVANS, LLP			LANGEL, WAYNE A	
2700 CAREW 7	ΓOWER			
441 VINE STR	EET		ART UNIT	PAPER NUMBER
CINCINNATI,	OH 45202		1754	
			DATE MAIL ED: 02/15/200	ς .

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	09/712,626	KHANG ET AL.	
Office Action Summary	Examiner	Art Unit	
	Wayne Langel	1754	
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet w	ith the correspondence address	•
A SHORTENED STATUTORY PERIOD FOR REATHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a least of the period for reply is specified above, the maximum statutory perions for reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the material patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a reply within the statutory minimum of thir iod will apply and will expire SIX (6) MON tute, cause the application to become Al	eply be timely filed by (30) days will be considered timely. THS from the mailing date of this communical MANDONED (35 U.S.C. § 133).	tion.
Status		•	
1)⊠ Responsive to communication(s) filed on <u>03</u> 2a)⊠ This action is FINAL . 2b)□ T 3)□ Since this application is in condition for allow closed in accordance with the practice under	his action is non-final. wance except for formal mat	•	is
Disposition of Claims			
4) ☐ Claim(s) 1-41 is/are pending in the application 4a) Of the above claim(s) is/are withd 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-41 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and	lrawn from consideration.		
Application Papers			
9) The specification is objected to by the Exami 10) The drawing(s) filed on is/are: a) a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct of the oath or declaration is objected to by the	ccepted or b) objected to he drawing(s) be held in abeyar ection is required if the drawing	ce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121	• •
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for forei a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a life	ents have been received. ents have been received in A riority documents have been eau (PCT Rule 17.2(a)).	pplication No received in this National Stage	
Attachment(s)			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/O Paper No(s)/Mail Date 	Paper No(s	ummary (PTO-413) s)/Mail Date nformal Patent Application (PTO-152) 	

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Kato et al, for the reasons given in the last Office Action. Applicant's argument, that the examiner acknowledged that "the difference between the process recited in applicants' claim 1, and that disclosed by Kato et al, is that Kato et al do not disclose that the flue gas should be sensibly cooled, is not convincing, since such acknowledgment was made with respect to the rejection over Kato et al in view of Johnson et al, and is not made with respect to the rejection of claim 1 over Kato et al alone.

Claims 1-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Kato et al in view of Johnson et al, for the reasons given in the last Office Action.

Applicant's argument, that neither Kato et al nor Johnson et al make no mentio0n of
evaporation, or the absence of evaporation, is not convincing. Hakh's Chemical

Dictionary (newly cited) defines "evaporate" as "to convert a liquid into its vapor by heat
or low pressure". Accordingly there would inherently be no evaporation during the

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cooling step of Kato et al, since no heat or low pressure is present to effect such evaporation. Kato et al specifically disclose at col. 1, lines 18-22 that the temperature of exhaust gas from the boiler is reduced before dust is removed therefrom in the electrostatic precipitator.

Claims 1-41 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. See the reasons given in the last Office Action.

Applicants' argument, that claim 1, line 1 recites "a flue gas containing a dust", is not convincing, since line 1 of claim 1 recites "a flue gas containing a dust or a pollutant".

Accordingly line 1 of claim 1 does not require the presence of dust, and it is indefinite as to whether the flue gas treated according to the process of claim 1 would contain dust. The objection with respect to claim 27 is withdrawn.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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Any inquiry concerning this communication should be directed to Wayne Langel

at telephone number 571-272-1353.

Wayne Langel

Primary Examiner

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